



Pedagogy of the Seasons Investigation

In the Seasons Investigation, each activity starts with a sequence of highly structured steps. However, as each activity progresses, students get increasing amounts of freedom to conduct their own investigations. This approach prepares students to conduct their own research by developing the necessary skills, deepening their understanding of key concepts, and helping them generate interesting questions worthy of further study.



How This Activity Helps Develop the Idea that Science is a Process of Refining Understanding

General Steps in Refining Understanding

1. Ask Questions and Develop Hypotheses
2. Plan Investigation
3. Collect and Analyze Data
4. Draw Conclusions
 - If data are insufficient to support conclusion, return to 3
 - If data are sufficient to support a conclusion, go to 5
5. Communicate conclusions
6. Ask follow-up Questions and Develop New Hypotheses

